

ATTACHMENT 9A: SAMPLE CALCULATIONS

Example: Fit to Strategy Calculation

Hood Canal Coordinating Council Ratings for fit:

- Actions and areas: *Excellent*
- Ranking: *Excellent/Good*

Converting Ratings to Numbers:

- Excellent = 4.0
- Excellent/good = 3.5
- Good = 3.0
- Good/fair = 2.5
- Fair = 2.0
- Fair/poor = 1.5
- Poor = 1.0

$$\text{Fit} = \sqrt{(2 \times \text{actions and areas})^2 + (\text{ranking})^2}$$

$$\text{Fit} = \sqrt{(2 \times 4)^2 + (3.5)^2}$$

$$\text{Fit} = 8.73$$

Example: Strategy Quality Calculation

Hood Canal Coordinating Council Ratings for fit:

- Species: *Excellent*
- Processes: *Fair*
- Habitat: *Good*
- Actions/areas: *Good*
- Community: *Good*
- Certainty: *Good/fair*

$$\text{Specificity} = \frac{(\text{species}) + 2 \times (\text{processes}) + 2 \times (\text{habitat}) + 3 \times (\text{actions/areas}) + 2 \times (\text{community})}{10}$$

$$\text{Specificity} = \frac{(4) + 2 \times (2) + 2 \times (3) + 3 \times (3) + 2 \times (3)}{10}$$

$$\text{Specificity} = 2.9$$

$$\text{Quality} = \sqrt{(\text{specificity})^2 + (\text{certainty})^2}$$

$$\text{Quality} = \sqrt{(2.9)^2 + (2.5)^2}$$

$$\text{Quality} = 3.83$$